THIS IS MY JAM — DATA DUMP

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ABSTRACT

An anonymized data dump of the jams, likes, and followers tables from the This Is My Jam database is published. We give an overview of the dataset with basic statistics, and we present some exploratory data analysis.

1. INTRODUCTION

This Is My Jam [1] (2011–2015) was an online social music network where users could post one song at a time, their current "jam". A jam lasted for up to a week, emphasizing the ephemeral nature of jams as favorite songs at that particular point in time. Users could follow each other, like and comment on each other's jams. Tracks were picked from YouTube, SoundCloud, The Hype Machine, Vimeo, and other sources on the open Internet, as well as user-uploaded songs they owned the rights to.

The site went into read-only archive mode in September 2015 [2]. As part of the archival process we are here publishing an anonymized dump of the final database.

The dataset is permanently hosted on Archive.org at https://archive.org/details/thisismyjam-datadump and is licenced under Creative Commons BY-3.0.

2. DATASET DESCRIPTION

2.1 Jams

The *jams.tsv* table contains the columns

- jam_id
- user_id
- artist — As given by the user
- title — As given by the user
- creation_date — In the format YYYY-MM-DD
- link — The source URL of the jam selected by the user, or empty if user-uploaded
- spotify_uri — Retrieved by querying the Spotify API with artist and title when the jam was posted

[1] https://www.thisismyjam.com

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There are 2,095,861 jams posted by 132,670 users. The median number of jams per user is 3, and 10,413 users posted more than 50 jams. Normalizing the artists and titles by lowercasing and removing non-alphabetical characters yields a total of 700,466 unique songs.

2.2 Likes

The *likes.tsv* table has the columns

- user_id
- jam_id

In total there are 5,968,624 likes given by 58,110 users to 1,150,347 jams.

2.3 Followers

The *followers.tsv* table has the columns

- followed_user_id
- follower_user_id

There are 1,603,404 follower data points. Median number of users followed and followers are both 4.

3. EXPLORATORY DATA ANALYSIS

In this section we will look at the data from a few different angles to give a sense of the preferences of the Jam community, and to present some example applications of the dataset. The source code for the graphs and tables presented in this paper, as well as additional insights, can be found on http://bit.ly/timj-dump-ipynb.

3.1 Top jams

A comparison of the five most posted jams to their top position on Billboard Hot 100 and their YouTube plays is presented in Table 1.

As shown in Table 2, the most liked jams are very different from the most "jammed". It appears that users posted modern tracks, but liked "classics".

As a user of This Is My Jam, one often got the sense that songs became popular on the site before they became popular with the general public. For example, Figure 1 shows the daily active jams and Billboard chart position of Pharrell Williams' "Happy".

3.2 Top artists

The most jammed artist on This Is My Jam is David Bowie, the top five artists are shown in Table 3.

Song	Jams	Billboard	Youtube
alt-j — Breezeblocks	1,070	N/A	70,737,601
Of Monsters And Men — Little Talks	998	20 (2013-02-16)	158,730,595
Arctic Monkeys — Do I Wanna Know?	874	70 (2014-03-22)	217,387,511
Grimes — Oblivion	872	N/A	18,441,827
Lorde — Royals	818	1 (2013-12-07)	513,468,680

Table 1. Most posted jams with best Billboard Hot 100 positions and YouTube plays

Song	Likes
Arctic Monkeys — Do I Wanna Know?	2,771
Joy Division — Love Will Tear Us Apart	2,651
The Rolling Stones — Gimme Shelter	2,619
David Bowie — Heroes	2,615
Pixies — Where Is My Mind?	2,587

Table 2. Most liked jams

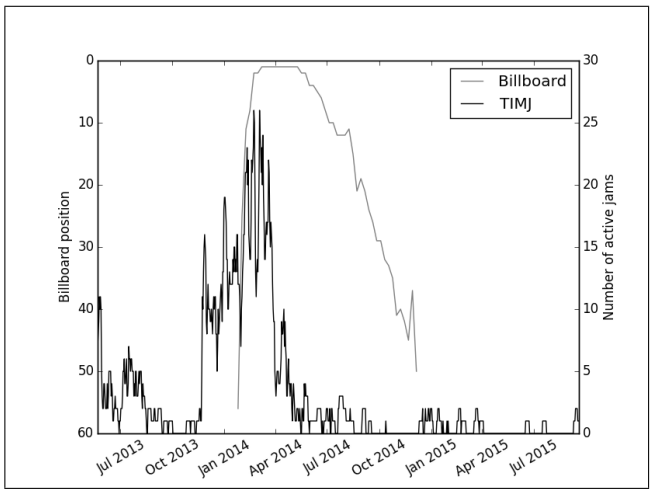

Figure 1. Pharrell Williams — Happy (Jams vs Billboard)

3.3 One hit wonders

Let us define *OneHitWonderness* of an artist as

$$\text{OneHitWonderness}_a = \frac{\sqrt[3]{\sum_i {J_{a,i}}^4}}{\sum_i J_{a,i}} \qquad (1)$$

where a is an artist and $J_{a,i}$ is the number of jams for song i by artist a. Using this equation we get the top five one hit wonders in Table 4.

Artist	Jams
David Bowie	8,143
The Beatles	6,645
Radiohead	6,058
Daft Punk	4,928
Arctic Monkeys	4,614

Table 3. Most jammed artists

Song	Jams
PSY — Gangnam Style	503
Solange — Losing You	496
Toto — Africa	423
College — A Real Hero (feat. Electric Youth)	399
Redbone — Come And Get Your Love	194

Table 4. One hit wonders

3.4 Seasonal jams

Figure 2 shows the number of active jams with "christmas" and "summer" in the song title, over time.

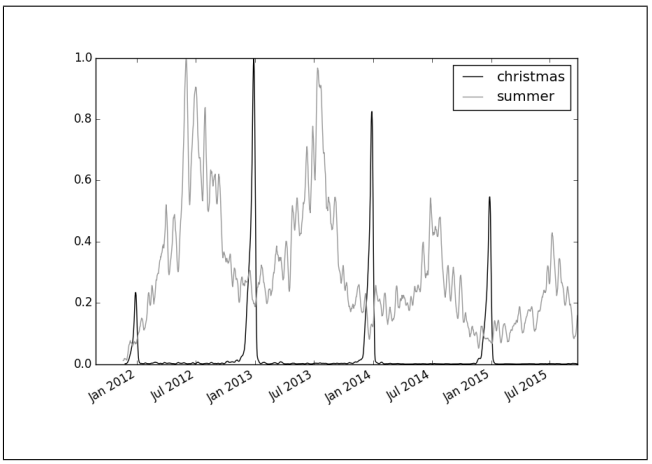

Figure 2. Seasonal terms

4. THIS IS MY JAM TO MILLION SONG DATASET MAPPING

We have joined the This Is My Jam dataset to the Million Song Dataset [1]. A total of 533,266 jams were matched to 130,239 unique MSD entries. The mapping is available at http://labrosa.ee.columbia.edu/millionsong/thisismyjam.

5. REFERENCES

[1] Thierry Bertin-Mahieux, Daniel P.W. Ellis, Brian Whitman, and Paul Lamere. The million song dataset. In *Proceedings of the 12th International Conference on Music Information Retrieval (ISMIR 2011)*, 2011.

[2] M. Ogle and H. Donovan. Jam Preserves. http://thisismyjam.tumblr.com/post/126260430022/jam-preserves, 2015.